



# Product Evaluation

DR772 | 0916

Engineering Services Program

*The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

*For more information, contact TDI Engineering Services Program at (800) 248-6032.*

**Evaluation ID:** DR-772

**Effective Date:** September 1, 2016

**Re-evaluation Date:** September 2020

**Product Name:** Heritage 2.25" Wood French Glazed Outswing Hinged Door, Impact Resistant

**Manufacturer:** Kolbe & Kolbe Millwork Co., Inc.  
1323 South Eleventh Avenue  
Wausau, WI 54401  
(715) 842-5666

## General Description:

System	Description	Label Rating	Design Pressure Rating	Hallmark Certification
1	Heritage Wood French Glazed Outswing Hinged Door	LC-PG65 74.88 x 98.59-SHD LC-PG65 75 x 99-SHD	+65/-70 psf	413-H-1292.21 thru 413-H-1292.23
2	Heritage Wood French Glazed Outswing Hinged Door	LC-PG65 74.88 x 98.59-SHD LC-PG65 75 x 99-SHD	+65/-70 psf	413-H-1292.16 thru 413-H-1292.18

## Component Dimensions:

System	Overall Size	Panel Size	Maximum Panel Glass Daylight Opening Size
1	74-7/8" x 98-19/32"	35-13/16" x 96"	27-11/16" x 52-11/16"
2	74-7/8" x 98-19/32"	35-13/16" x 96"	27-11/16" x 84-7/8"

**Hardware:**

- **5-point Lock;** three strikes on astragal and one strike at head and sill; locate on the active panel.
- **3-point Lock;** handle activate shoot bolts; one strike at head and sill; locate on the passive panel.
- **Astragal Strike Plates:** three required on astragal; center strike secured with three, No. 7 x 5/8" PFH SMS; top and bottom strike secured with two, No. 7 x 5/8" PFH SMS.
- **Strike Plates at Head and Sill (for 5-point lock):** Sill plate secured with two, No. 10 x 3/4" PFH SMS; head plate secured with two No. 10 x 2-1/2" PFH SMS.
- **Shoot Bolt Strike Plates:** One required at the head and one at the sill; sill plate secured with two, No. 10 x 3/4" PFH SMS; head plate secured with two No. 10 x 2-1/2" PFH SMS.
- **Hinges:** Four on each panel; secure each to the door panel with four, No. 9 x 1-3/4" PFH SMS and to the side jamb with four, No. 9 x 3/4" PFH SMS (replace two fasteners in top and bottom hinge and one fastener in middle hinges with No. 10 x 2-1/2" PFH SMS).

**Sill:** Two-piece extruded aluminum sill.

**Product Identification (Certification Agency Label on Door):**

System		
1, 2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Kolbe & Kolbe Millwork Co., Inc.
	Product Name	Heritage 2.25" French Outswing Door
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-11 AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886-05, ASTM E 1996-12; Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1, 2	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

**Installation:**

**Option 1 (Installation Clips):** Fasten door assembly to minimum Southern Yellow Pine lumber. Secure door assembly to wall framing using Kolbe & Kolbe metal installation clips. Secure installation clips (1-5/8" x 10-1/16" x 20-gauge) to door frame with two, No. 8 x 3/4" PFH SMS, and to the wall framing with one, No. 8 x 1-3/4" PFH SMS. Use fasteners long enough to penetrate a minimum of 1-1/2" into the framing. The table below specifies the spacing of the clips.

System	Distance From Each Corner	Head (on center spacing)	Sill (on center spacing)	Side Jambs (on center spacing)
1, 2	Head: 18-3/4" Side Jambs: 16-7/16"	N/A	See Below	16-7/16"

**Sill:** Secure sill to wall framing with minimum No. 10 x 3" PFH SMS. Locate fasteners approximately 5" from the corners and 13" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the framing.

**Option 2 (Screws through Frame):** Fasten door assembly to minimum Southern Yellow Pine lumber. Secure door assembly to the wall framing using the door frame with minimum No. 10 x 2-1/2" PFH SMS. Use fasteners long enough to penetrate a minimum of 1-1/2" into the framing. The table below specifies the spacing of the fasteners.

System	Distance From Each Corner	Head (on center spacing)	Sill (on center spacing)	Side Jambs (on center spacing)
1, 2	Head: 12-1/2" Side Jambs: 10-15/16"	N/A	See Below	10-15/16"

**Sill:** Secure sill to wall framing with minimum No. 10 x 3" PFH SMS. Locate fasteners approximately 5" from the corners and 13" on center. Fasteners must be long enough to penetrate a minimum of 1-1/2" into the framing.

**Brickmould (Options 1 and 2):** Secure the brickmould to the wall framing with minimum 2-1/2" T-nails spaced approximately 12" on center.

**Note:** Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.